

**AMENDMENTS TO THE CLAIMS:**

This listing of claims will replace all prior versions, and listings, of claims in the application:

**LISTING OF CLAIMS:**

1. (Currently Amended) A rotor for a vertical shaft impact crusher, said rotor (1; 201; 301) comprising a horizontal upper disc ~~[(2)]~~ and a horizontal lower disc (4; 204; 304) , said discs being separated by at least two vertical wall segments (20, 22, 24; 220; 320) defining between them an outflow opening ~~[(26)]~~ for material leaving the rotor (1; 201; 301) , said wall segments (20, 22, 24; 220; 320) each having a first wall portion (20a; 220a; 320a) being substantially tangential in relation to the rotor (1; 201; 301) and being located adjacent to the periphery of the rotor (1; 201; 301) and a second wall portion (20b; 220b; 320b) being angled in relation to said first wall portion (20a; 220a; 320a) and extending from the first wall portion (20a; 220a; 320a) into the rotor (1; 201; 301) , wherein ~~characterised in that~~ said second wall portion (20b; 220b; 320b) comprises a straight first section (80; 280; 380) extending from the interior of the rotor (1; 201; 301) towards the periphery of the rotor (1; 201; 301), said first section (80; 280; 380) forming an obtuse first angle ~~[(S)]~~ with said first wall portion (20a; 220a; 320a) , and a second section (84; 284; 384) connecting the first section (80; 280; 380) and the first wall portion (20a; 220a; 320a), said second section (84; 284; 384) and said first wall portion (20a; 220a; 320a) forming a second angle ~~[(T)]~~ being smaller than said first angle ~~[(S)]~~, said second section (84; 284; 384) and said first wall portion (20a; 220a; 320a) forming at least one pocket (88; 288; 388, 389) for retaining material.

2. (Currently Amended) A rotor according to claim 1, wherein said first angle  $[(S)]$  is approximately 110-155°.
3. (Currently Amended) A rotor according to claim 2, wherein said first angle  $[(S)]$  is approximately 120-150°.
4. (Currently Amended) A rotor according to claim 1 ~~any one of claims 1-3~~, wherein said second angle  $[(T)]$  is approximately 75-100°.
5. (Currently Amended) A rotor according to claim 4, wherein said second angle  $[(T)]$  is approximately 86-94°.
6. (Currently Amended) A rotor according to claim 1 ~~any one of claims 1-5~~, wherein ~~the~~ a horizontal length  $(D; D1; D2)$  of the second section  $(84; 284; 384)$  is less than a tip distance  $[(E)]$  ~~being~~ , wherein the tip distance is defined as the shortest distance between the second section  $(84; 284; 384)$  and a trailing edge  $[(37)]$  of a wear tip  $[(36)]$  located adjacent to a free vertical edge  $[(76)]$  of the first wall portion  $(20a; 220a; 320a)$ .
7. (Currently Amended) A rotor according to claim 6, wherein said horizontal length  $(D; D1; D2)$  is 20-70% of the tip distance  $[(E)]$ .

8. (Currently Amended) A rotor according to claim 7, wherein said horizontal length (D; D1; D2) is 35-60% of the tip distance [(E)].

9. (Currently Amended) A rotor according to claim 1 ~~any one of claims 1-8~~, wherein a second pocket [(389)] for retaining material is formed between said first section [(380)] and said second section [(384)].

10. (Currently Amended) A rotor according to claim 1 ~~any one of claims 1-9~~, wherein the wall segment [(20)] is adapted for building a bed [(40)] of material extending continuously from the first wall portion [(20a)] to a rear support plate [(42)] mounted at the first section [(80)] of the second wall portion [(20b)].